

An aerial photograph of a multi-lane highway, Lancaster Pike, with a semi-truck and several cars visible. The image is overlaid with a blue border and text.

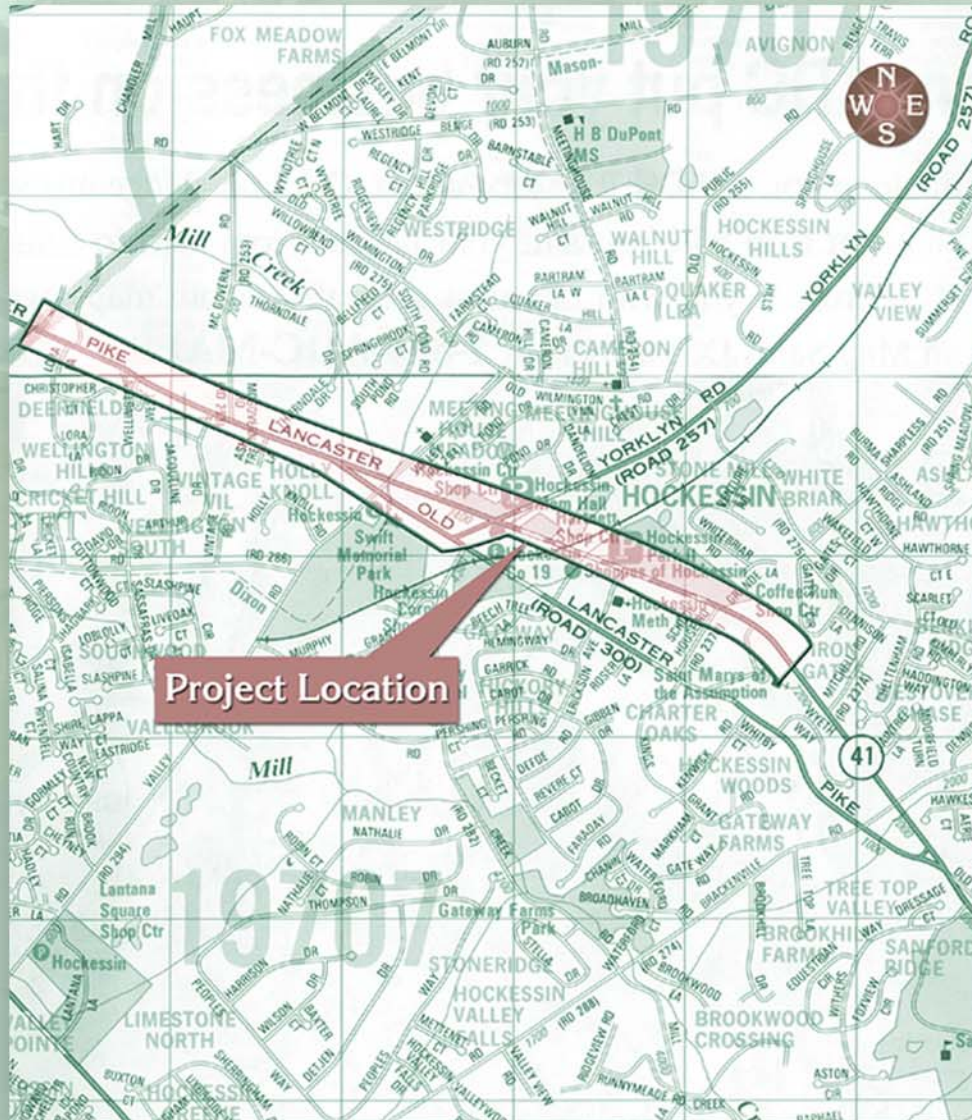
# SR 41 (Lancaster Pike) Safety Project

PA State Line to East of School House Road

## SR 41 (Lancaster Pike) Safety Project

# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road





# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Project Purpose

The purpose of the project is to improve safety conditions along the roadway corridor by addressing recurring accident patterns, as well as to accommodate alternate modes of travel.

# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Project Background

- 1997 – DeIDOT identified the one-mile section of SR 41 south of the Pennsylvania State line as a “high accident” segment under their Highway Safety Improvement Program (HSIP)
- April 2000 -DeIDOT engaged the community to form a Community Working Group (CWG) to develop a consensus plan for corridor improvements
- May 2000 through April 2001 - The Project Team identifies the Preferred Alternative for corridor improvements and completes the planning and concept development phase. Funding for the improvements to complete final design and construction is secured
- January 2002 through present – Final design process, including right-of-way acquisition and environmental permitting



SR 41 (Lancaster Pike) Safety Project  
PA State Line to East of School House Road

# SR 41 Safety Project



# Hockessin Village Plan



## SR 41 (Lancaster Pike) Safety Project

PA State Line to East of School House Road

# Safety Components

- Raised Center Medians
- Two-Way Center Left-Turn Lane
- Stamped Pavement
- Access Management
- Auxiliary Lanes
- Traffic Signals



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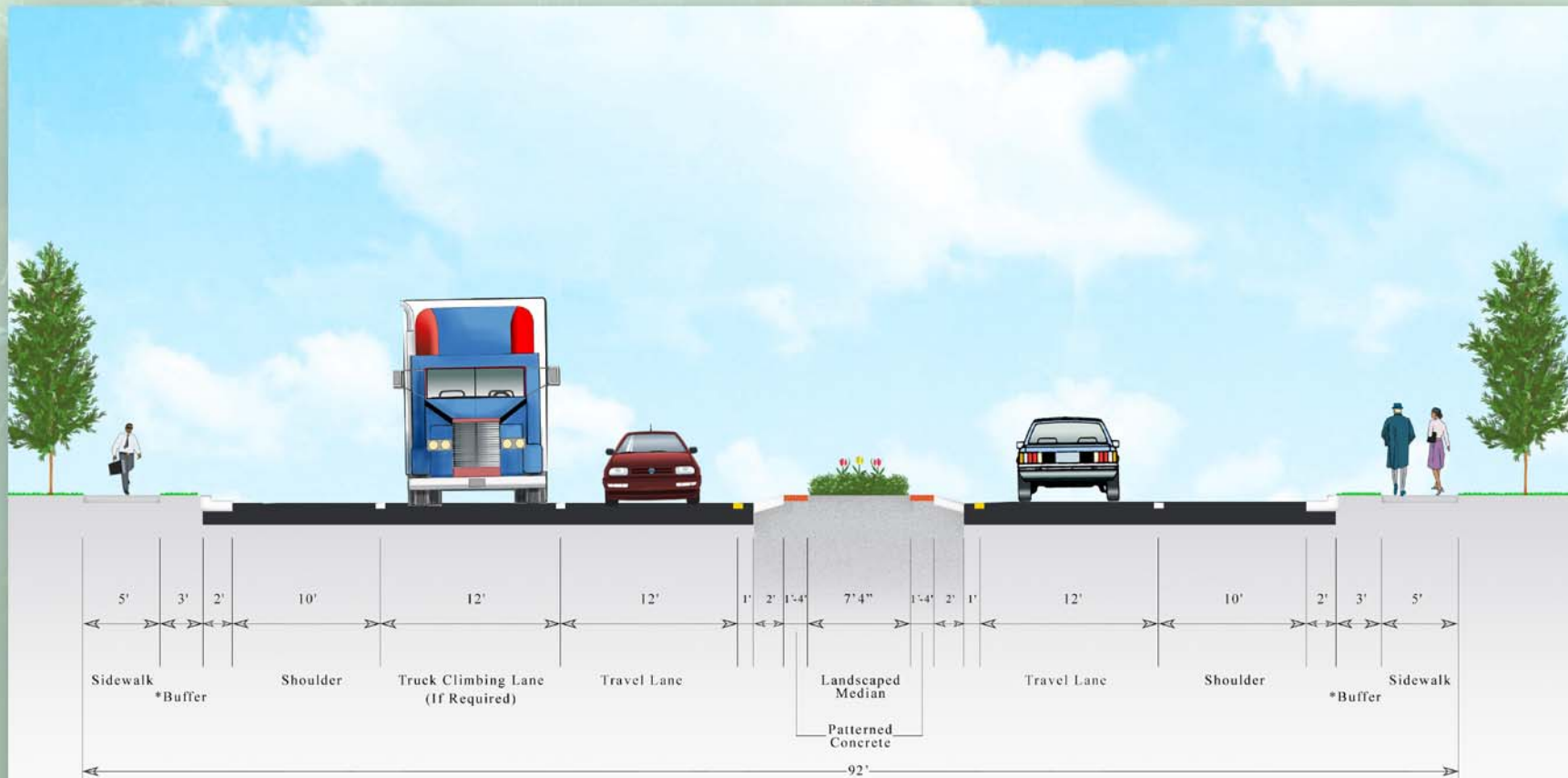
## PA State Line to East of School House Road



## Plan of Improvements

# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road



Typical Section



# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Traffic Control - Existing Conditions



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## PA State Line to East of School House Road

### Traffic Control-Proposed Conditions

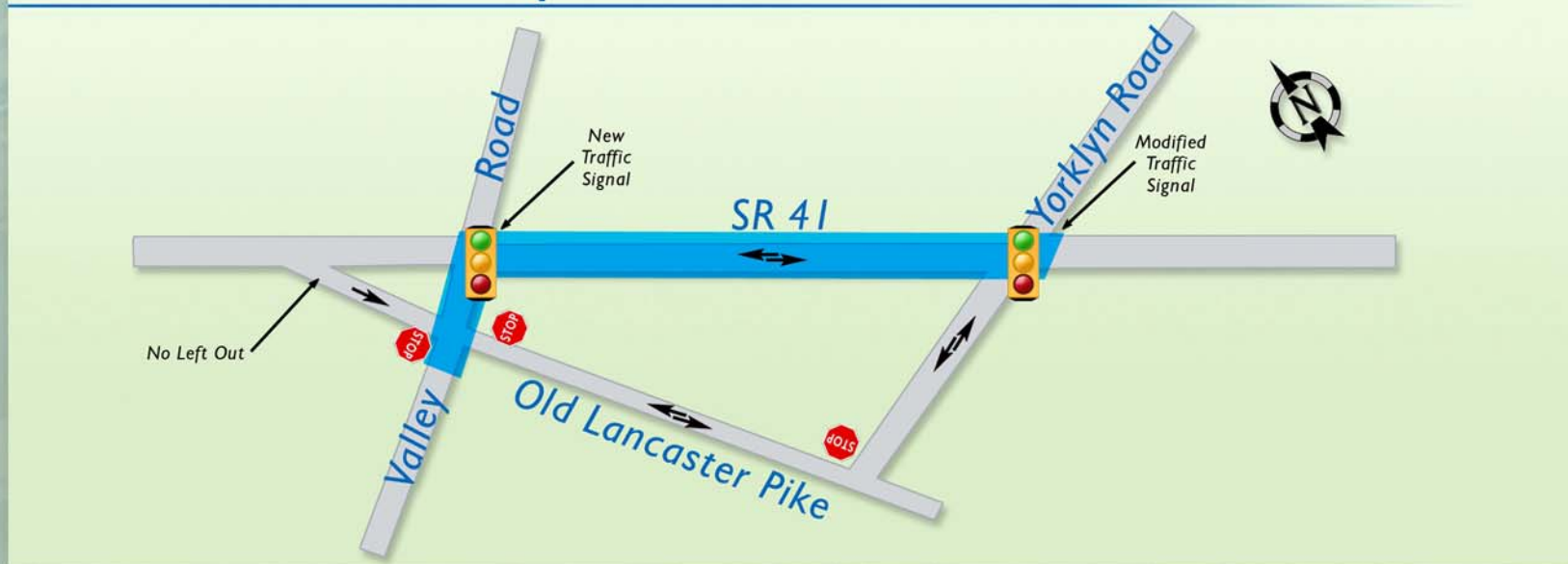




# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Traffic Control-Proposed Conditions



# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Traffic Control-Proposed Conditions





# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road



See Below for Continuation



See Above for Continuation

### Multi-Modal Considerations

#### Pedestrian Accommodations

- Extension of Existing Sidewalk Network
- Interconnection to Adjacent Businesses
- Link Points to Village Plan
- Safe Crossing of Roadway



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## PA State Line to East of School House Road



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See Below for Continuation



See Above for Continuation

- Bicycle Accommodations
  - Shared-use Shoulders
- Transit Accommodations
  - Bus Stop Upgrades
  - Interconnectivity to Adjacent Businesses and Communities



# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Landscaping Approach

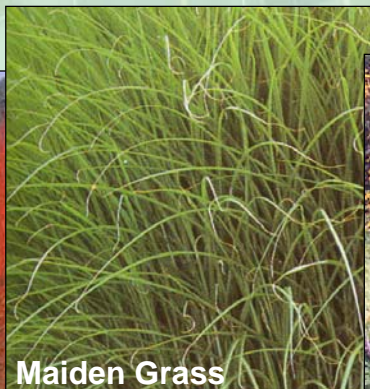
- Consistent Theme Throughout Corridor
- Creating a “Sense of Place/Arrival”
- Plant Selection based on:
  - Maximum Color
  - Drought Tolerance
  - Seasonal Bloom
  - Spring/Summer/Winter Color
- Sustainable Landscapes
- Cross Mitigation with Forest Conservation & Landscape Planning



Daffodil



Red Twig  
Dogwood



Maiden Grass



Lillyturf/  
Black Eyed Susan



Kwanzaan  
Cherry



Juniper



Stella D'Oro Day Lily







# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road



Lancaster Pike/Yorklyn Road  
Existing Conditions



# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road



Lancaster Pike/Yorklyn Road  
Landscape Node



# SR 41 (Lancaster Pike) Safety Project

## PA State Line to East of School House Road

### Forest Conservation

- Compliance with Delaware's Landscaping & Reforestation Act
- Removal of Trees for Roadway Construction Requires Replanting
- Mitigating loss of Forest Vegetation through Landscaping
- Reforest Along SR41 Corridor
  - Native Species
  - Canopy- Oaks, Ash, and Maple
  - Understory- Serviceberry and Red Bud
  - Shrubbery- Spicebush



Red Maple



Ginkgo Balboa



Northern Red Oak



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### Lighting

- Limits
- Function
- Appearance





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### Access Improvements

- Creates more orderly flow to/from access points
- Reduces turning conflicts, an accident potential at driveways
- Preserves capacity for through vehicles
- Separates local trips from through traffic





# SR 41 (Lancaster Pike) Safety Project

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### Traffic Calming

- Raised Curbing
- Traffic Signals
- Landscaping



## SR 41 (Lancaster Pike) Safety Project PA State Line to East of School House Road

### Timing of Improvements

- Final Design > through May 2004
- Start Construction > March 2005
- End Construction > End of 2005